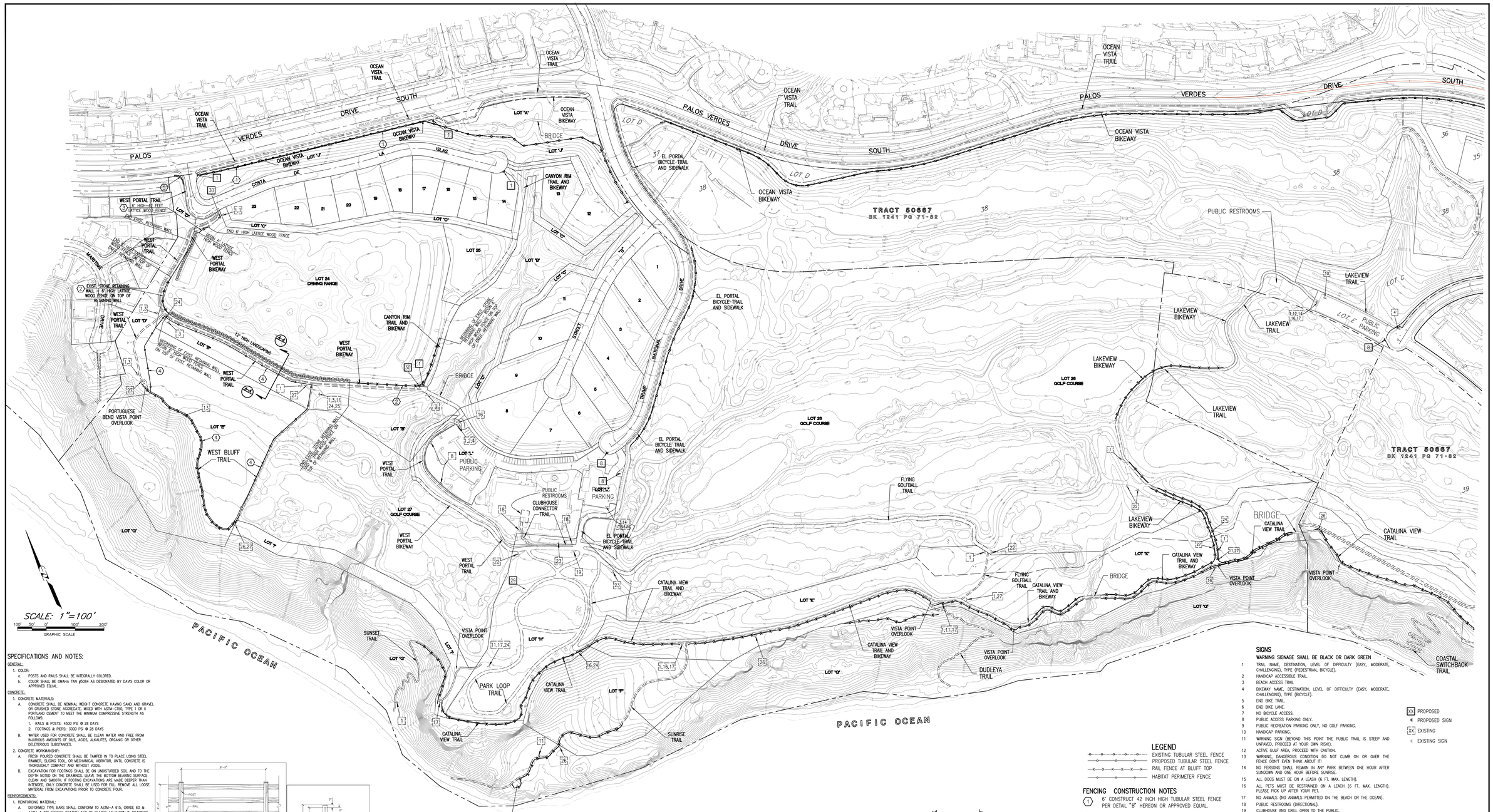
From:	Selim <Selim@sawayaeng.com>
Sent time:	08/27/2018 07:45:17 AM
To:	So Kim; Rehm, Zach@Coastal <Zach.Rehm@coastal.ca.gov>
Cc:	Jill Martin <jmartin@trumpnational.com>
Subject:	Tract 50666 Fencing plan
Attachments:	2018-08-27 Fence-S1 snt2City+Coastal.pdf

Good Morning,

Please find attached, the Fencing Plan for Tract 50666 for your review and comments.
Kindly, let me know if you would need anything else.

Thank you
Selim Sawaya P.E. / P.L.S.
(626) 715-2320



SPECIFICATIONS AND NOTES:

GENERAL:

1. COLOR:
   a. POSTS AND RAILS SHALL BE INTEGRALLY COLORED.
   b. COLOR SHALL BE OMAHA TAN #5084 AS DESIGNATED BY DAVIS COLOR OR APPROVED EQUAL.

CONCRETE:

1. CONCRETE MATERIALS:
   A. CONCRETE SHALL BE NOMINAL WEIGHT CONCRETE HAVING SAND AND GRAVEL OR CRUSHED STONE AGGREGATE, MIXED WITH ASTM-C150, TYPE 1 OR II PORTLAND CEMENT TO MEET THE MINIMUM COMPRESSIVE STRENGTH AS FOLLOWS:
      1. RAILS & POSTS: 4500 PSI @ 28 DAYS
      2. FOOTINGS & PIERS: 3000 PSI @ 28 DAYS
   B. WATER USED FOR CONCRETE SHALL BE CLEAN WATER AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALITES, ORGANIC OR OTHER DELETERIOUS SUBSTANCES.
2. CONCRETE WORKMANSHIP:
   A. FRESH POURED CONCRETE SHALL BE TAMPED IN TO PLACE USING STEEL RAMMER, SLICING TOOL, OR MECHANICAL VIBRATOR, UNTIL CONCRETE IS THOROUGHLY COMPACT AND WITHOUT VOIDS.
   B. EXCAVATION FOR FOOTINGS SHALL BE ON UNDISTURBED SOIL AND TO THE DEPTH NOTED ON THE DRAWINGS. LEAVE THE BOTTOM BEARING SURFACE CLEAN AND SMOOTH. IF FOOTING EXCAVATIONS ARE MADE DEEPER THAN INTENDED, ONLY CONCRETE SHALL BE USED FOR FILL REMOVE ALL LOOSE MATERIAL FROM EXCAVATIONS PRIOR TO CONCRETE POUR.

REINFORCEMENTS:

1. REINFORCING MATERIAL:
   A. DEFORMED TYPE BARS SHALL CONFORM TO ASTM-A 615, GRADE 60 & ASTM-A 775 (EPOXY-COATED) AND BE PLACED AS SHOWN IN DRAWINGS.
   B. STEEL REINFORCING WIRE SHALL MEET U.S. STEEL WIRE GAUGE, ASTM-A 82. FY = 70,000 PSI MINIMUM GALVANIZED.
   C. ALL TIES AND STIRRUPS SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A/ 615, GRADE 40.
   D. ALL WIRE MESH SHALL BE 9 GAUGE GALVANIZED HAVING 3 HORIZONTAL BARS AND 4 VERTICAL BARS ON 16 INCH CENTERS.
2. REINFORCING WORKMANSHIP:
   A. REINFORCEMENT STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE CRSI STANDARD DETAIL. REINFORCING BARS SHALL BE COLD-BENT ONLY. USE OF HEAT TO BEND REINFORCEMENT STEEL SHALL BE CAUSE FOR REJECTION.
   B. REINFORCEMENT STEEL BARS AND WIRE FABRIC SHALL BE THOROUGHLY BEFORE PLACING AND AGAIN BEFORE THE CONCRETE IS PLACED. SHALL BE ACCURATELY POSITIONED AND SECURED IN PLACE. NO BRICK OR POROUS MATERIAL MAY BE USED TO SUPPORT STEEL OFF THE GROUND.
   C. INSTALL ALL REINFORCEMENT WITH THE FOLLOWING CLEARANCE BETWEEN REINFORCING STEEL AND FACE OF CONCRETE:
      1. FOOTING, PIER OR BEAM BOTTOM (3")
      2. EARTH-FORMED PIER OR BEAM SIDE (2")
      3. FORMED FOOTING, PIER OR BEAM SIDES, EXPOSED (1")
      4. PRECAST EXPOSED TO WEATHER: RAILS (3/4"), POSTS (1-1/4")

PREPARED BY:
SAWAYA ENGINEERING CONSULTANTS, INC
26950 IRONSTONE STREET
YORBA LINDA, CA 92887
(714) 974-8546 Tel
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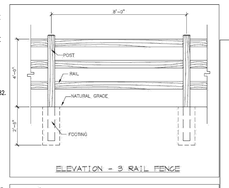
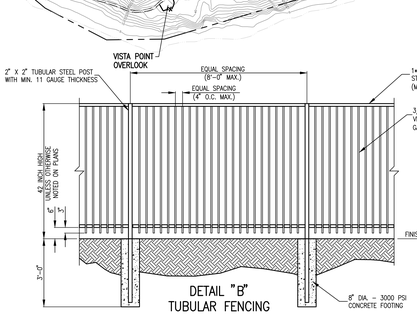


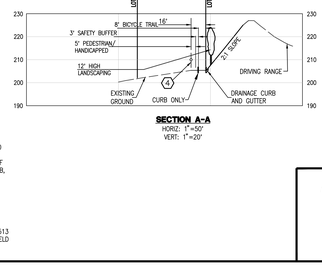
DETAIL "A"
TRAIL FENCING


2" X 2" TUBULAR STEEL POST WITH MIN. 11 GAUGE THICKNESS
EQUAL SPACING (8'-0" MAX.)
EQUAL SPACING (4" O.C. MAX.)
1"-1/2" X 1"-1/2" TUBULAR STEEL RAILS TOP AND BOTTOM (MIN. 11 GAUGE THICKNESS)
3/4" SQUARE TUBULAR STEEL VERTICAL PICKETS (MIN. 14 GAUGE THICKNESS)
6" INCH HIGH CONCRETE CURB AS NEEDED IN PLANS
FINISH GRADE
3'-0"
8" DIA. - 3000 PSI CONCRETE FOOTING

DETAIL "B"
TUBULAR FENCING

SPECIFICATION AND NOTES – TUBULAR FENCE/RAILING:

1. ALL CONCRETE USED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3600 PSI @ 28 DAYS.
2. ALL TUBULAR STEEL POSTS, RAILS AND PICKETS SHALL BE FLUSH AND FREE OF ALL DENTS, SPURS, AND SHARP EDGES AND SHALL BE INSTALLED LEVEL, PLUMB, AND SQUARE.
3. PROVIDE CONTINUOUS WELDS ALONG ALL EDGES OF FENCE MEMBERS. GRIND SMOOTH ALL WELDS.
4. ALL METAL SURFACES SHALL BE PRIMED AND PAINTED WITH TWO COATS OF RUST-PROOF PAINT.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS BEFORE MANUFACTURING GATES AND FENCE.
6. ALL TUBULAR STEEL FENCE MEMBERS ARE TO BE IN ACCORDANCE WITH ASTM 513 HOT ROLLED STRUCTURAL STEEL 50,000 PSI TENSILE STRENGTH, 60,000 PSI YIELD STRENGTH.



SECTION A-A
HORIZ: 1"=50'
VERT: 1"=20'

LEGEND

- EXISTING TUBULAR STEEL FENCE
- PROPOSED TUBULAR STEEL FENCE
- RAIL FENCE AT BLUFF TOP
- HABITAT PERIMETER FENCE

FENCING CONSTRUCTION NOTES

1. 6' CONSTRUCT 42 INCH HIGH TUBULAR STEEL FENCE PER DETAIL "B" HEREON OR APPROVED EQUAL.
2. CONSTRUCT 6' HIGH LATTICE WOOD FENCE WITH WOOD POSTS ON TOP OF EXIST. STONE RETAINING WALL.
3. INSTALL A 6' HIGH LATTICE WOOD FENCE WITH WOOD POSTS, FENCE POSTS TO BE STABILIZED WITHOUT THE USE OF CONCRETE FOOTINGS.
4. INSTALL 42 INCH HIGH PIPE RAIL FENCE OR APPROVED EQUAL. ALTERNATIVELY, A FENCE PER DETAIL "A" HEREON CAN BE USED.
5. CONSTRUCT 30 INCH HIGH SLUMPSTONE WALL.

SIGNS

WARNING SIGNAGE SHALL BE BLACK OR DARK GREEN

1. TRAIL NAME, DESTINATION, LEVEL OF DIFFICULTY (EASY, MODERATE, CHALLENGING), TYPE (PEDESTRIAN, BICYCLE).
2. HANDICAP ACCESSIBLE TRAIL.
3. BEACH ACCESS TRAIL.
4. BIKEWAY NAME, DESTINATION, LEVEL OF DIFFICULTY (EASY, MODERATE, CHALLENGING), TYPE (BICYCLE).
5. END BIKE TRAIL.
6. END BIKE LANE.
7. NO BICYCLE ACCESS.
8. PUBLIC ACCESS PARKING ONLY.
9. PUBLIC RECREATION PARKING ONLY, NO GOLF PARKING.
10. HANDICAP PARKING.
11. WARNING SIGN (BEYOND THIS POINT THE PUBLIC TRAIL IS STEEP AND UNPAVED, PROCEED AT YOUR OWN RISK).
12. ACTIVE GOLF AREA, PROCEED WITH CAUTION.
13. WARNING, DANGEROUS CONDITION DO NOT CLIMB ON OR OVER THE FENCE DON'T EVEN THINK ABOUT IT!
14. NO PERSONS SHALL REMAIN IN ANY PARK BETWEEN ONE HOUR AFTER SUNDOWN AND ONE HOUR BEFORE SUNRISE.
15. ALL DOGS MUST BE ON A LEASH (6 FT. MAX. LENGTH).
16. ALL PETS MUST BE RESTRAINED ON A LEACH (6 FT. MAX. LENGTH). PLEASE PICK UP AFTER YOUR PET.
17. NO ANIMALS (NO ANIMALS PERMITTED ON THE BEACH OR THE OCEAN).
18. PUBLIC RESTROOMS (DIRECTIONAL).
19. CLUBHOUSE AND GRILL OPEN TO THE PUBLIC.
20. DIRECTION TO PUBLIC TRAIL.
21. DIRECTION TO PARK, TRAILS, CLUBHOUSE AND RESTAURANTS.
22. GOLFERS ONLY, NO TRAIL ACCESS.
23. GOLFERS ONLY, NO PEDESTRIAN ACCESS.
24. PRESERVE RULES
25. HABITAT AREA.
26. NO TRESPASSING, ENDANGERED SPECIES HABITAT.
27. ENVIRONMENTALLY SENSITIVE HABITAT, PLEASE KEEP OUT
28. PARK NAME.
29. WWII PLAQUE.
30. WARNING SIGN, (BEYOND THIS POINT MAINTENANCE VEHICLES / Ggolf CARTS ARE PROHIBITED.

XX PROPOSED
PROPOSED SIGN
XX EXISTING
EXISTING SIGN

PREPARED FOR:
V H PROPERTY CORP / TRUMP ORGANIZATION
ONE OCEAN TRAILS DRIVE
RANCHO PALOS VERDES, CALIFORNIA 90275
TEL: (310) 345-4501

CITY OF RANCHO PALOS VERDES

TRUMP NATIONAL GOLF CLUB

FENCING / WALL PLAN

TRACT 50666

SCALE: 1"=100' | PROJECT NO: 208-006 \ 15-2 | DATE: MAY 2018

SHEET 1 OF 1 SHTS

Plotted: 08/27/18 07:43:59 DWG: H:\008\208-006\15-2 - Tract 50666\Engr\Imp Plans\Fence\Fence-S1.dwg